

## LIST OF CONTENTS

VOLUME 24, 1999

VOLUME 24

NUMBER 1, 1999

### CONTENTS

#### *Review*

C. J. McDUGLE, L. C. BARR, W. K. GOODMAN and L. H. PRICE

1 Possible role of neuropeptides in obsessive compulsive disorder

#### *Articles*

C. R. PLATA-SALAMÁN

25 Brain mechanisms in cytokine-induced anorexia

E. HOGERVORST, M. BOSHUISEN, W. RIEDEL, C. WILLEKEN and J. JOLLES

43 The effect of hormone replacement therapy on cognitive function in elderly women

J. GALEN BUCKWALTER, F. Z. STANCZYK, C. A. MCCLEARY, B. W. BLUESTEIN, D. K. BUCKWALTER, K. P. RANKIN, L. CHANG and T. MURPHY GOODWIN

69 Pregnancy, the postpartum, and steroid hormones: effects on cognition and mood

T. USHIROYAMA, A. IKEDA and M. UEKI

85 Evidence for attenuation of gonadotropin pulse frequency in hypergonadotropic women with estradiol secretion in the menopausal transition

A. V. RAVINDRAN, J. GRIFFITHS, Z. MERALI, V. J. KNOTT and H. ANISMAN

99 Influence of acute tryptophan depletion on mood and immune measures in healthy males

T. NICKELSEN, E. G. LUFKIN, B. LAWRENCE RIGGS, D. A. COX and T. H. CROOK

115 Raloxifene hydrochloride, a selective estrogen receptor modulator: safety assessment of effects on cognitive function and mood in postmenopausal women

#### *Book Review*

P. J. NEVEU

129 Steroid Hormones and the T-cell Cytokine Profile

## CONTENTS

*Articles*

- D. M. LYONS, O. J. WANG,  
S. E. LINDLEY, S. LEVINE,  
N. H. KALIN and A. F. SCHATZBERG
- 131 Separation induced changes in squirrel monkey hypothalamic-pituitary-adrenal physiology resemble aspects of hypercortisolism in humans
- I.-S. SHIAH, H. A. ROBERTSON,  
R. W. LAM, L. N. YATHAM,  
E. M. TAM and A. P. ZIS
- 143 Growth hormone response to baclofen in patients with seasonal affective disorder: effects of light therapy
- R. TUKEL, K. KORA, N. HEKIM,  
H. OGUZ and F. ALAGOL
- 155 Thyrotropin stimulating hormone response to thyrotropin releasing hormone in patients with panic disorder
- H. A. BIMONTE and  
V. H. DENENBERG
- 161 Estradiol facilitates performance as working memory load increases
- A. POSTMA, J. WINKEL, A. TUITEN  
and J. VAN HONK
- 175 Sex differences and menstrual cycle effects in human spatial memory
- P. J. NATHAN, T. R. NORMAN and  
G. D. BURROWS
- 193 Effect of the menstrual cycle stage on the melatonin suppression by dim white light
- P. MONTELEONE, A. LA ROCCA,  
A. FUSCHINO, F. BORTOLOTTI and  
M. MAJ
- 201 Seasonal variation in plasma prolactin response to D-fenfluramine in healthy subjects
- L. WETTERBERG, J. D. BERGIANNAKI,  
T. PAPARRIGOPOULOS, L. VON KNOR-  
RING, G. EBERHARD, T. BRATLID and  
A. YUWILER
- 209 Normative melatonin excretion: a multi-national study
- T. W. BUCHANAN, M. AL'ABSI and  
W. R. LOVALLO
- 227 Cortisol fluctuates with increases and decreases in negative affect
- P. SACERDOTE, A. E. PANERAI,  
L. FRATTOLA and C. FERRARESE
- 243 Benzodiazepine-induced chemotaxis is impaired in monocytes from patients with generalized anxiety disorder
-

## CONTENTS

*Articles*

- A. FERNÁNDEZ-GUASTI and O. PICAZO 251 Sexual differentiation modifies the allopregnanolone anxiolytic actions in rats
- M. SERRA, A. CONCAS, M. C. MOSTALLINO, M. F. CHessa, M. STOMATI, F. PETRAGLIA, A. R. GENAZZANI and G. BIGGIO 269 Antagonism by pivagabine of stress-induced changes in GABA<sub>A</sub> receptor function and corticotropin-releasing factor concentrations in rat brain
- M. A. W. RUIS, J. H. A. TE BRAKE, B. BUWALDA, S. F. DE BOER, P. MEERLO, S. M. KORTE, H. J. BLOKHUIS and J. M. KOOLHAAS 285 Housing familiar male wildtype rats together reduces the long-term adverse behavioural and physiological effects of social defeat
- R.-M. BLUTHÉ, N. CASTANON, F. POUSSET, A. BRISTOW, C. BALL, J. LESTAGE, B. MICHAUD, K. W. KELLEY and R. DANTZER 301 Central injection of IL-10 antagonizes the behavioural effects of lipopolysaccharide in rats
- W. PLIHAL, R. PIETROWSKY and J. BORN 313 Dexamethasone blocks sleep induced improvement of declarative memory
- D. ZELENÁ, D. T. KIEM, I. BARNA and G. B. MAKARA 333  $\alpha_2$ -Adrenoreceptor subtypes regulate ACTH and  $\beta$ -endorphin secretions during stress in the rat
- A. AZPIROZ, E. FANO, L. GARMENDIA, A. ARREGI, R. CACHO, G. BELTIA and P. F. BRAIN 345 Effects of chronic mild stress (CMS) and imipramine administration, on spleen mononuclear cell proliferative response, serum corticosterone level and brain norepinephrine content in male mice
- L. MARSHALL, I. DERAD, C. J. STRASBURGER, H. L. FEHM and J. BORN 363 A determinant factor in the efficacy of GHRH administration in promoting sleep: high peak concentration versus recurrent increasing slopes

## CONTENTS

*Articles*

MICHAEL MAES, ISABELLE LIBBRECHT, FRAN VAN HUNSEL, AI-HUA LIN, LUC DE CLERCK, WIM STEVENS, GUNTER KENIS, RAF DE JONGH, EUGENE BOSMANS and HUGO NEELS

E. C. PETRIE, C. W. WILKINSON, SHARON MURRAY, CARL JENSEN, E. R. PESKIND and M. A. RASKIND

AKANE SANO, TOSHIYA FUNABASHI, MAIKO KAWAGUCHI, KAZUYUKI SHINOHARA and FUKUKO KIMURA

C. LÓPEZ-RUBALCAVA, S. L. CRUZ and A. FERNÁNDEZ-GUASTI

DITTE SLABBEKOORN, S. H. M. VAN GOOZEN, JOS MEGENS, L. J. G. GOOREN and P. T. COHEN-KETTENIS

LEONARD WELLER, ARON WELLER, HAGIT KORESH-KAMIN and RIVI BEN-SHOSHAN

L. A. SCHMIDT, N. A. FOX, M. C. GOLDBERG, C. C. SMITH and JAY SCHULKIN

371 The immune-inflammatory pathophysiology of fibromyalgia: increased serum soluble gp130, the common signal transducer protein of various neurotrophic cytokines

385 Effects of Alzheimer's disease and gender on the hypothalamic-pituitary-adrenal axis response to lumbar puncture stress

397 Intravenous injections of nicotine decrease the pulsatile secretion of LH by inhibiting the gonadotropin-releasing hormone (GnRH) pulse generator activity in female rats

409 Blockade of the anxiolytic-like action of ipsapirone and buspirone, but not that of 8-OH-DPAT, by adrenalectomy in male rats

423 Activating effects of cross-sex hormones on cognitive functioning: a study of short-term and long-term hormone effects in transsexuals

449 Menstrual synchrony in a sample of working women

461 Effects of acute prednisone administration on memory, attention and emotion in healthy human adults

## CONTENTS

*Commentary*

MICHAEL KELLNER and  
RACHEL YEHUDA

- 485 Do panic disorder and posttraumatic stress disorder share a common psychoneuroendocrinology?

*Articles*

JAANUS HARRO, HALLIKI RIMM,  
MAARIKE HARRO, MARGE  
GRAUBERG, KALLE KARELSON and  
ATKO-MEEME VIRU

- 505 Association of depressiveness with blunted growth hormone response to maximal physical exercise in young healthy men

A. C. DETTLING, M. R. GUNNAR and  
BONNY DONZELLA

- 519 Cortisol levels of young children in full-day childcare centers: relations with age and temperament

D. G. CRUESS, M. H. ANTONI,  
MAHENDRA KUMAR, GAIL IRONSON,  
PHILIP MCCABE, J. B. FERNANDEZ,  
MARYANN FLETCHER and NEIL  
SCHNEIDERMAN

- 537 Cognitive-behavioral stress management buffers decreases in dehydroepiandrosterone sulfate (DHEA-S) and increases in the cortisol/DHEA-S ratio and reduces mood disturbance and perceived stress among HIV-seropositive men

F. SUAY, A. SALVADOR, E. GONZÁLEZ-BONO, C. SANCHÍS, M. MARTÍNEZ, S. MARTÍNEZ-SANCHÍS, V. M. SIMÓN and J. B. MONTORO

- 551 Effects of competition and its outcome on serum testosterone, cortisol and prolactin

D. A. GRANGER, E. B. SCHWARTZ,  
ALAN BOOTH, MARY CURRAN and  
DENA ZAKARIA

- 567 Assessing dehydroepiandrosterone in saliva: a simple radioimmunoassay for use in studies of children, adolescents and adults

ERRATUM

581

ANNOUNCEMENT

583

## CONTENTS

*Articles*

- C. KWON KIM, WAYNE YU, GLENN EDIN, LINDA ELLIS, J. A. OSBORN and JOANNE WEINBERG 585 Chronic intermittent stress does not differentially alter brain corticosteroid receptor densities in rats prenatally exposed to ethanol
- PAOLA BORELLA, ANNALISA BARGELLINI, SERGIO ROVESTI, MARINA PINELLI, ROBERTO VIVOLI, VALENTINA SOLFRINI and GIANFRANCO VIVOLI 613 Emotional stability, anxiety, and natural killer activity under examination stress
- MICHAEL SMOLKA, THOMAS SANDER, L. G. SCHMIDT, JERZY SAMOCHOWIEC, HANS ROMMELSPACHER, NICOLA GSCHIEDL, BIRGIT WENDEL and M. R. HOEHE 629  $\mu$ -Opioid receptor variants and dopaminergic sensitivity in alcohol withdrawal
- M. LIVIA TERRANOVA, FRANCESCA CIRULLI and GIOVANNI LAVIOLA 639 Behavioral and hormonal effects of partner familiarity in periadolescent rat pairs upon novelty exposure
- SANJAY ASTHANA, SUZANNE CRAFT, L. D. BAKER, M. A. RASKIND, R. S. BIRNBAUM, C. P. LOFGREEN, R. C. VEITH and S. R. PLYMATE 657 Cognitive and neuroendocrine response to transdermal estrogen in postmenopausal women with Alzheimer's disease: results of a placebo-controlled, double-blind, pilot study
- BOOK REVIEW 679

## CONTENTS

*Articles*

- P. E. CRUZ-CASALLAS, A. G. NASELLO, E. E. T. S. HUCKE and L. F. FELICIO 681 Dual modulation of male sexual behavior in rats by central prolactin: relationship with in vivo striatal dopaminergic activity

# List of Contents

- FABRICE DUVAL, MARIE-CLAUDE MOKRANI, PAUL BAILEY, HUMBERTO CORREA, THAN-SON DIEP, MARC-ANTOINE CROCQ and JEAN-PAUL MACHER  
695 Thyroid axis activity and serotonin function in major depressive episode
- YOKO ISHIHARA, KENICHI MATSUNAGA, HIROKO IJIMA, TAKAYOSHI FUJII, YOSHIHARU OGUCHI and JUN KAGAWA  
713 Time-dependent effects of stressor application on metastasis of tumor cells in the lung and its regulation by an immunomodulator in mice
- O. T. WOLF, B. M. KUDIELKA, D. H. HELLHAMMER, SONJA TÖRBER, B. S. MCEWEN and CLEMENS KIRSCHBAUM  
727 Two weeks of transdermal estradiol treatment in postmenopausal elderly women and its effect on memory and mood: verbal memory changes are associated with the treatment induced estradiol levels
- BORIS PERRAS, LISA MARSHALL, GUDRUN KÖHLER, JAN BORN and HORST LORENZ FEHM  
743 Sleep and endocrine changes after intranasal administration of growth hormone-releasing hormone in young and aged humans
- L. V. SCOTT, JAMES TEH, RODNEY REZNEK, ANDREW MARTIN, ASLAM SOHAIB and TIMOTHY G. DINAN  
759 Small adrenal glands in chronic fatigue syndrome: a preliminary computer tomography study
- GREGOR LAAKMANN, CORNELIUS SCHÜLE, THOMAS BAGHAI and ELENA WALDVOGEL  
769 Effects of mirtazapine on growth hormone, prolactin, and cortisol secretion in healthy male subjects

VOLUME 24

NUMBER 8, 1999

## CONTENTS

### Articles

- JIRÍ HORÁČEK, MARIANNA KUZMIAKOVÁ, CYRIL HÖSCHL, MICHAL ANDĚL and RADVAN BAHBONH  
785 The relationship between central serotonergic activity and insulin sensitivity in healthy volunteers
- J. F. FLOOD, S. A. FARR, D. A. JOHNSON, PUI-KAI LI and J. E. MORLEY  
799 Peripheral steroid sulfatase inhibition potentiates improvement of memory retention for hippocampally administered dehydroepiandrosterone sulfate but not pregnenolone sulfate

List of Contents

IRWIN SILVERMAN, DON KASTUK, JEAN CHOI and KRISTA PHILLIPS	813	Testosterone levels and spatial ability in men
SERENAY ELGÜN, AYTAÇ KESKINEGE and HAKAN KUMBASAR	823	Dipeptidyl peptidase IV and adenosine deaminase activity: Decrease in depression
E. APPENRODT, G. KRÖNING and H. SCHWARZBERG	833	Increased plasma ACTH in rats exposed to the elevated plus-maze is independent of the pineal gland



